

## IMPERIAL VALLEY COLLEGE

**DATE:** 08-21-2012

**TO:** IVC Academic Services

**FROM:** Santos M. Moran

**SUBJECT:** Course Syllabus

**Prerequisites:** Math 80, 81 with a grade of C or better, or an acceptable score  
On the Computerized Placement Test (CPT)

**Course No. & Name:** **Math 91 Intermediate Algebra**

**Class Days & Times:** **CRN 10985; Tuesday & Thursday from 12:55 PM to 3:25 PM**  
**CRN 10418; Tuesday & Thursday from 3:40 PM to 6:10 PM**

**Course Goals:** The students will develop an understanding of fundamental  
Concepts, reasoning and skills in **Intermediate Algebra**  
Necessary for success in further Mathematic Courses

**Course Description:** To Study; Basic of Functions, System of Linear Equations,  
Inequalities and problem solving, radicals, radical functions, & rational exponents  
Quadratic Equations & Functions, Exponential & Logarithmic Functions, Systems  
Of nonlinear Equations, Sequences and Series

**Textbook: Introductory & Intermediate Algebra** for College Students **4<sup>th</sup> Edition**

**Author: Robert Blitzer**

**Editors: Pearson**

**Student Learning Outcomes:** Upon Satisfactory completion of this course, the  
Student will be able to:

- a) Be able to recognize functions, & to find domain and range of functions
- b) Solve two by two, & three by three linear systems by elimination or/and substitution.
- c) Solve linear Inequalities with one variable, & their applications
- d) Solve equations involving radicals.
- e) Solve quadratic equations by factoring, completing the square, and quadratic formula.
- f) Solve an application involving exponential functions.
- g) Recognize and graph equations of conic sections.
- h) Recognize and solve problems involving sequences & series

**Credit Hours:** Lecture 5, Lab 0

**Required Material(s):** **1) Textbook (Mandatory)**

**2) Scientific (TI 30x IIs)/ Graphics Calculator (TI83+) (Both Optional)**

**Recommended References (optional):**

**1) Intermediate Algebra for College Students 6<sup>th</sup> Edition**

**Angel A, Semmler R, Petrie D; Prentice Hall Editors 2004**

**2) Elementary & Intermediate Algebra 1<sup>st</sup> Edition Tussy, A, & Gustafson, R**

**Pacific Grove Books/Cole 2000 ([www.classzone.com](http://www.classzone.com))**

**Note:**

**Any Student with documented disability that may need educational  
Accommodations should notify the instructor on the Disabled Student  
Program and Services (DSP&S) and the office as soon as possible  
DSPS Room 2117 Health Science Building PH (760) 355-6312**

## **Student Responsibilities:**

**Attendance Policy:** Under IVC policy students are expected to attend (100%)  
Every session of class in which they are enrolled  
**(80% Attendance & 20% Absences)**

**Withdrawal Policy:** If a student is unable to attend the course or must drop the course  
For any reason, it will be the responsibility of the student to withdraw from the course  
Before the withdrawal deadline **(10 of Nov 2012)**

**Academic Integrity:** Any student participating in acts of academic dishonesty, like stealing  
stealing books, work & tests, using unauthorized "crib notes", forging an instructor's signature,  
Plagiarism will be subject to the procedures and consequences outlined in the IVC code of  
Conduct

### **Exam & Evaluation Procedures:**

- 1.-3 Exams **(Mandatory)** = 60% (600)
- 2.-Final Exam **(Mandatory)** = 25% (250)
- 3.-Assignment Credit = 10% (100)
- 4.-Activities Credit, Participation & SP Projects =5% (50)

### **Grading Band:**

- 90% (900)-100% (1000) = A
- 80% (800)-89% (890) = B
- 70% (700)-79% (790) = C
- 60% (600)-69% (690) = D
- Below 60% (600) = F**

### **Course Outlines (by Weeks):**

- ❑ Chapter 4 Systems of Linear Equations, Week 1, & 2
- ❑ Chapter 8 Basics of Functions Week 2, 3, & 4
- ❑ Chapter 9 Inequalities & Problem Solving Week 5, & 6 **(First Exam)**
- ❑ Chapter 10 Radicals, Radical Functions, & Rational Exponents Week 7, & 8
- ❑ Chapter 11 Quadratic Equations & Functions, Week 9, 10
- ❑ Chapter 12 Exponential & Logarithmic Functions, Week 11, & 12**(Second Exam)**
- ❑ Chapter 13 Conic Sections & Systems of Nonlinear Equations, Week 12, & 13
- ❑ Chapter 14 Sequences, Series, & The Binomial Theorem Week 14, & 15 **(Third Exam)**
- ❑ **Final Exam: Week 16**

**All Students with Final Exam = or > 125 Points, this Points Will Be Added to the Global Total Points to get the Final Grade**

**The Final Points of 125 Represent an Average of 50% of Final Exam**

**If Final Exam is < 125 points, the Points will be subtracted to the Global Total Points if you are between 40 to 90 Points, If you are below 40, Automatically you will have an F as a final grade.**

### **Assignments:**

- 1) Every Chapter Review Exercise (Total of 8 Home works)
- 2) Read at least one section in advance per session (Optional & Controlled by Student)

### **Exams:**

**Total of 4 Exams (Turn in the Reference Chart in Check-Point = Each Exam)**

### **INSTRUCTOR INFORMATION:**

**Name:** Santos M. Moran

**Office Telephone #:** (928) 314-9449 Yuma AZ **(Message only)**

**Email Address:** [moran\\_smm@yahoo.com](mailto:moran_smm@yahoo.com)